

METHOD AND APPARATUS FOR ADAPTIVE SERVICES NETWORKING
ABSTRACT OF THE DISCLOSURE

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Methods and apparatus provide an adaptive load balancer that presents a virtual data system to client computer systems. The virtual data system provides access to an aggregated set of data, such as files or web service objects, available from a plurality of server data systems respectively operating within a plurality of server computer systems.

10 The adaptive load balancer receives a client data access transaction from a client computer system that specifies a data access operation to be performed relative to the virtual data system presented to the client computer system. The adaptive load balancer processes the client data access transaction in relation to metadata associated with the virtual data system to provide access to the file or service object within a server computer
15 system, or to access the metadata. The adaptive load balancer can work in conjunction with other adaptive load balancers to dynamically adjust to demands for access to data by replicating and migrating data such as files or service objects as needed between the server computer systems to accommodate data access demands.

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